

Notice of Allowability

Application No.

10/676,237

Examiner

Douglas Q. Tran

Applicant(s)

AMELA ET AL.

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/01/03.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 10/01/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DOUGLAS Q. TRAN
PRIMARY EXAMINER



Allowable Subject Matter

1. Claims 1-40 are allowed.

Claims 1, 15, 24, 30, and 35 are independent claims.

The following is an examiner's statement of reasons for allowance:

As to claims 1, 15, and 24, the present invention from the application discloses an apparatus and programs, comprises: locating at least two zones within a document (by distinguishing a measure of each zone's bit-depth; applying a rendering intent to each of the at least two zones based on the content type within the zone; and merging the at least two zones into an image.

As to claim 30, the present invention from the application discloses a processor for segmenting memory color objects within the photo image; mapping coloring of a percentage of pixels within a memory color object, wherein the mapping moves the coloring a percentage of a distance separating an initial pixel color and a known optimal distance.

As to claim 35, the present invention from the application discloses a method of segmenting the foreground photographic image according to regions of memory color object and non-memory color objects; moving pixel color more aggressively toward an optimum color point, wherein the pixel is within the memory color object; and moving pixel color less aggressively, wherein the pixel is not within the memory color object.

The closest prior art such as Rumph et al. (U.S. Patent No. 6,327,043), which is recorded on IDS filed on 10/01/03, discloses based on the determine object types and any explicit rendering commands in the PDL file, the PDL decomposition system automatically generates

Art Unit: 2625

rendering tags for each of the objects. The rendering tags are used to control the command instruction and data generating system, the IOT controller and/or the image output terminal to optimize the printing by the IOT on an object-by-object basis; and Hawes et al. (U.S. Patent No. 6,252,677), which is recorded on IDS filed on 10/01/03, discloses object oriented image data is read into the imaging device together with an imaging operator associated with the object oriented image data. The object type of the imaging operator is determined. Based on the object type of the imaging operator, a set of rendering state information is selected from a plurality of sets of rendering state information stored beforehand in the imaging device; and Revankar et al. (U.S. Patent No. 5,767,978), which is recorded on IDS filed on 10/01/03, discloses image regions may be rendered according to a three class system (such as traditional text, graphic and picture systems), or according to more than three image classes. In addition, only two image classes may be required to render high quality draft or final output images. The image characteristics that may be rendered differently from class to class may include halftoning, colorization and other image attributes.

However, from the prior art above, either separately or in combination, including an updated electronic text search, fails to anticipate or render the above underlined limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2625

Contact information

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas Q. Tran whose telephone number is (571) 272-7442.

Sep. 17, 2007

A handwritten signature in black ink, appearing to read "Tran", with a long horizontal flourish extending to the right.

DOUGLAS Q. TRAN
PRIMARY EXAMINER